

MATERIAL SAFETY DATA SHEET

1. Chemical Product & Company Identification

Material name

ACIDULATED GLYCERINE

Version #

10

Revision date

11-11-2008

Product code

0791

Chemical class

Polyol Stepan Company

Manufacturer

22 West Frontage Road

Northfield, IL 60093 USA

Emergency

Medical 800-228-5635 Chemtrec 800-424-9300

Chemtrec Int'l 703-527-3887

General information

General (847) 446-7500

2. Hazards Identification

Emergency overview

Contact with eyes may cause irritation. Contact with skin may cause irritation. May cause irritation

of respiratory tract.

Potential health effects

Eyes

Contact with eyes may cause irritation.

Skin

This product may cause irritation to the skin.

Inhalation

Inhalation of vapors or mists of the product may be irritating to the respiratory system.

Ingestion Ingestion

Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea,

and diarrhea.

3. Composition / Information on Ingredients

Components	CAS#	Percent	
_Glycerin	56-81-5	> 85	

4. First Aid Measures

First aid procedures

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical

attention.

Skin contact

For skin contact flush with large amounts of water. Immediately take off all contaminated clothing. If

irritation persists get medical attention. Wash clothing separately before reuse.

Inhalation

If symptoms are experienced, remove source of contamination or move victim to fresh air. Oxygen or artificial respiration if needed. If the affected person is not breathing, apply artificial respiration. If

breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion

If ingestion of a large amount does occur, seek medical attention. Do NOT induce vomiting.

5. Fire Fighting Measures

Extinguishing media

Suitable extinguishing media

Water fog.Foam.Dry chemical powder.Carbon dioxide (CO2).

Protection of firefighters

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH

(approved or equivalent) and full protective gear.

6. Accidental Release Measures

Personal precautions

Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate

closed spaces before entering.

Environmental precautions

Prevent further leakage or spillage if safe to do so.

Methods for containment

Prevent entry into waterways, sewers, basements or confined areas.

Material name: ACIDULATED GLYCERINE

MSDS

Material ID: 584 Product code: 0791 Version #: 10 Revision date: 11-11-2008 Print date: 11-11-2008

Freedom 0000324 0001

Stepan \$

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Material ID: 584 Product code: 0791 Version #: 10 Revision date: 11-11-2008 Print date: 11-11-2008

Freedom 0000324 0002

Methods for cleaning up

Wear appropriate protective equipment and clothing during clean-up.

Small Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product

and place into a container for later disposal.

Large Spills:Dike far ahead of liquid spill for later disposal.

7. Handling and Storage

Handling

Avoid contact with skin and eyes. Wash hands thoroughly after handling.

Storage

Store in cool place. Keep in a well-ventilated place.

8. Exposure Controls / Personal Protection

Exposure limits

AUGIN				
Components	Type	Value	Form	
_Glycerin (56-81-5)	TWA	10 mg/m3	Mist.	

Components	Туре	Value	Form
Glycerin (56-81-5)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
	TWA	5 mg/m3	Respirable fraction.
		10 mg/m3	Total dust.

Engineering controls

Use general ventilation.Local exhaust is suggested for use, where possible, in enclosed or

confined spaces.

Personal protective equipment

General

Eye wash fountain and emergency showers are recommended.

Eye / face protection

Wear chemical goggles.Face-shield.

Skin protection

Wear suitable protective clothing. Use impervious gloves.

Respiratory protection

If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate

NIOSH/MSHA respiratory protection must be provided.

9. Physical & Chemical Properties

Physical state

Liquid.

Form

Liquid.

pΗ

Not Applicable

Boiling point

0 °F (-17.8 °C)

Flash point

> 201 °F (> 93.9 °C) PMCC

Evaporation rate

Estimated slower than ethyl ether.

Flammability limits in air,

upper, % by volume

NOT DETERMINED.

Vapor pressure

Not Determined or Unknown

Vapor density

Estimated heavier than air.

Specific gravity

1.262 g/ml @ 25 C

Percent volatile

< 5 %

10. Stability & Recactivity

Chemical stability

Stable at normal conditions.

Incompatible materials

Strong oxidizing agents

Hazardous decomposition

products

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular

weight hydrocarbons.

Possibility of hazardous

reactions

Will not occur.

Material name: ACIDULATED GLYCERINE

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ACGIN			
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U.S OSHA Components	Туре	Value	Form
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		15 mg/m3	Total dust.
	TWA	5 mg/m3	Respirable fraction.
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11. Toxicological Information

Not available.

12. Ecological Information

Not available.

13. Disposal Considerations

Disposal instructions

Dispose in accordance with all applicable regulations. All wastes must be handled in accordance with local, state and federal regulations. Regulations vary.

14. Transport Information

Notes

Refer to bill of lading or container label for DOT or other transportation hazard classification, if

15. Regulatory Information

Reportable Quantity

Reportable Quantity (RQ) of this product is 250000 pounds based upon _Methanol(67-56-1) which yielded the lowest resultant RQ according to the following formula: CERCLA ingredient RQ / % of that ingredient in the product.

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 302 extremely

No

No

hazardous substance

Section 311 hazardous chemical

Inventory status

Country(s) or region	Inventory name On inventory	(yes/no)^
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of New and Existing Chemicals (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations

US - Pennsylvania RTK - Hazardous Substances: Listed substance

_Glycerin (56-81-5)

Listed.

16. Other Information

Further information

HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings

Health: 1 Flammability: 1 Physical hazard: 0 Personal protection: X

NFPA ratings

Health: 1 Flammability: 1 Instability: 0

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Europe	European Inventory of New and Existing Chemicals (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes
		(m)

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Disclaimer

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Issue date

MSDS Section Changes

11-11-2008

This document has undergone significant changes and should be reviewed in its entirety.

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